

## IMAGE INPUT DEVICE

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### Abstract of JP2000050062

**PROBLEM TO BE SOLVED:** To provide an image input device capable of specifying a cleaning position when dust is stuck to an input optical system. **SOLUTION:** A shading memory is read in a step S21, dust data start position extraction is executed in the step S22 and the extraction of a dust data width is executed in the step S23. In the step S24, data around the dust data are observed and focus data are extracted. In the step S24, the difference value of adjacent pixels is calculated and it is judged that a focus is excellent when the difference data of the difference value are large. If the focus is excellent, a data width is taken into consideration further, whether or not the data width is larger than a prescribed position is judged in the step S26 and the cleaning position is estimated as being near a CCD sensor when it is larger and being near original glass when it is smaller. When the focus is not good, the position of a scanner is moved and the shading memory is read again. Then, a change amount from the previously sampled data is obtained and the cleaning position is estimated as being near a first or third mirror when the change amount is large and being near a lens when the change amount is small.

